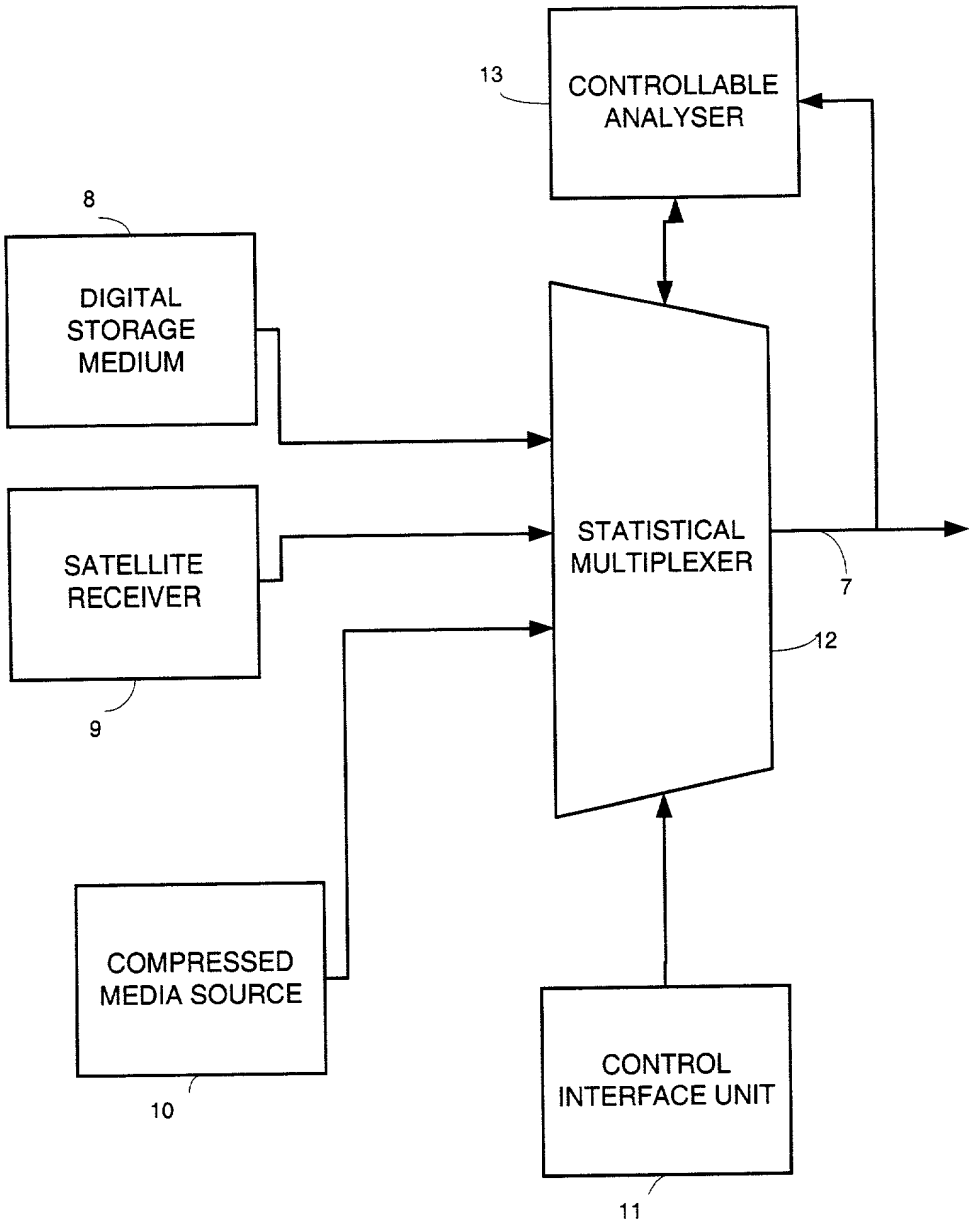
13
CONTROLLABLE ANALYSER
8
DIGITAL STORAGE MEDIUM
SATELLITE RECEIVER
9
STATISTICAL MULTIPLEXER
7
12
COMPRESSED MEDIA SOURCE
10
CONTROL INTERFACE UNIT
11

FIG. 1

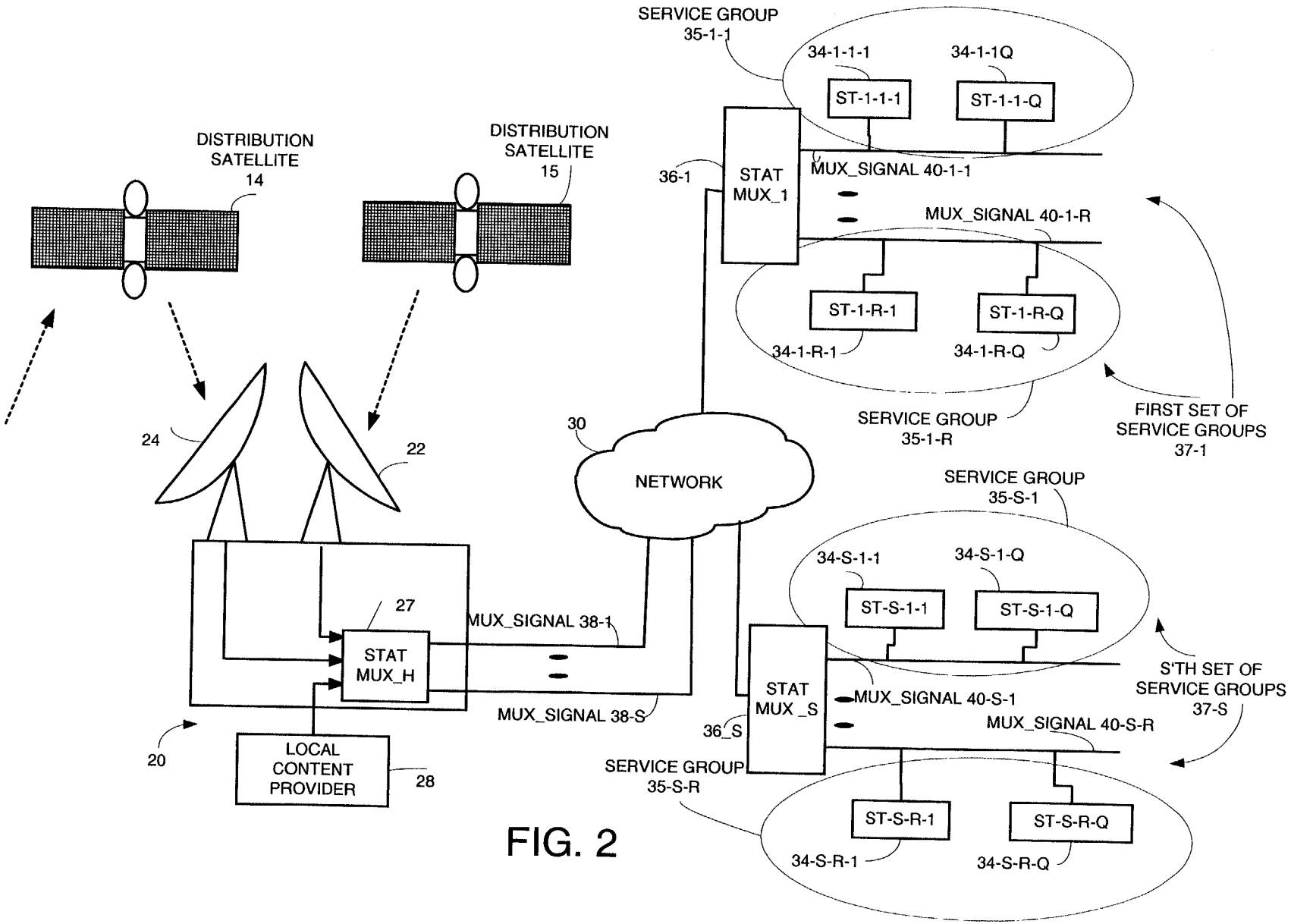
SERVICE GROUP
35-1-1
34-1-1-1
34-1-1Q
ST-1-1-1
ST-1-1-Q
DISTRIBUTION
SATELLITE
14
DISTRIBUTION
SATELLITE
15
36-1
STAT
MUX_1
MUX_SIGNAL 40-1-1
MUX_SIGNAL 40-1-R
ST-1-R-1
ST-1-R-Q
34-1-R-1
34-1-R-Q
SERVICE GROUP
35-1-R
FIRST SET OF
SERVICE GROUPS
37-1
24
22
30
NETWORK
SERVICE GROUP
35-S-1
34-S-1-1
34-S-1-Q
ST-S-1-1
ST-S-1-Q
27
MUX_SIGNAL 38-1
STAT
MUX_H
STAT
MUX _S
MUX_SIGNAL 40-S-1
S'TH SET OF
SERVICE GROUPS
37-S
MUX_SIGNAL 38-S
36_S
MUX_SIGNAL 40-S-R
20
LOCAL
CONTENT
PROVIDER
28
SERVICE GROUP
35-S-R
ST-S-R-1
ST-S-R-Q
34-S-R-1
34-S-R-Q

FIG. 2

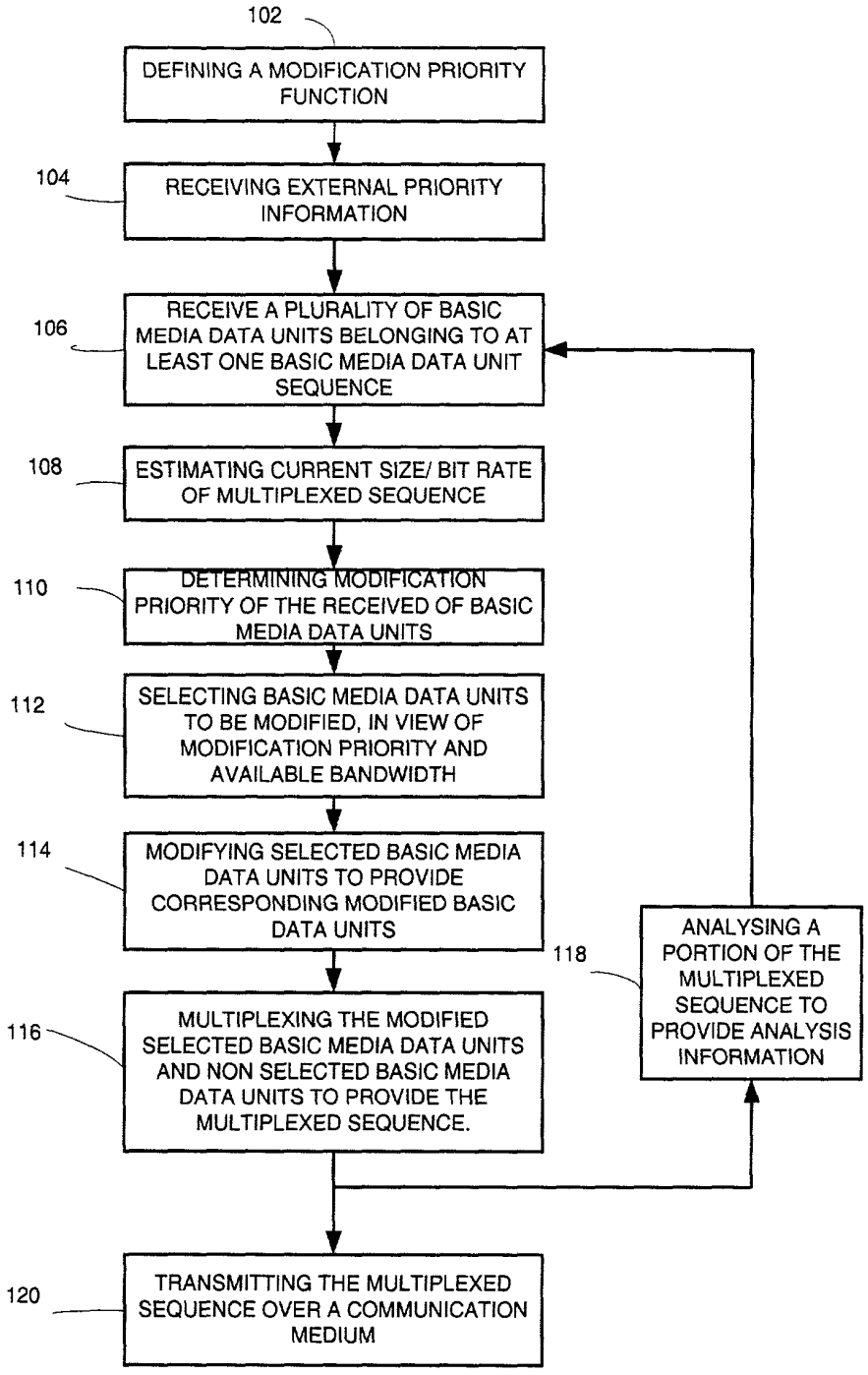
102
DEFINING A MODIFICATION PRIORITY FUNCTION
104
RECEIVING EXTERNAL PRIORITY INFORMATION
106
RECEIVE A PLURALITY OF BASIC MEDIA DATA UNITS BELONGING TO AT LEAST ONE BASIC MEDIA DATA UNIT SEQUENCE
108
ESTIMATING CURRENT SIZE/ BIT RATE OF MULTIPLEXED SEQUENCE
110
DETERMINING MODIFICATION PRIORITY OF THE RECEIVED OF BASIC MEDIA DATA UNITS
112
SELECTING BASIC MEDIA DATA UNITS TO BE MODIFIED, IN VIEW OF MODIFICATION PRIORITY AND AVAILABLE BANDWIDTH
114
MODIFYING SELECTED BASIC MEDIA DATA UNITS TO PROVIDE CORRESPONDING MODIFIED BASIC DATA UNITS
116
MULTIPLEXING THE MODIFIED SELECTED BASIC MEDIA DATA UNITS AND NON SELECTED BASIC MEDIA DATA UNITS TO PROVIDE THE MULTIPLEXED SEQUENCE.
118
ANALYSING A PORTION OF THE MULTIPLEXED SEQUENCE TO PROVIDE ANALYSIS INFORMATION
120
TRANSMITTING THE MULTIPLEXED SEQUENCE OVER A COMMUNICATION MEDIUM
100

FIG. 3

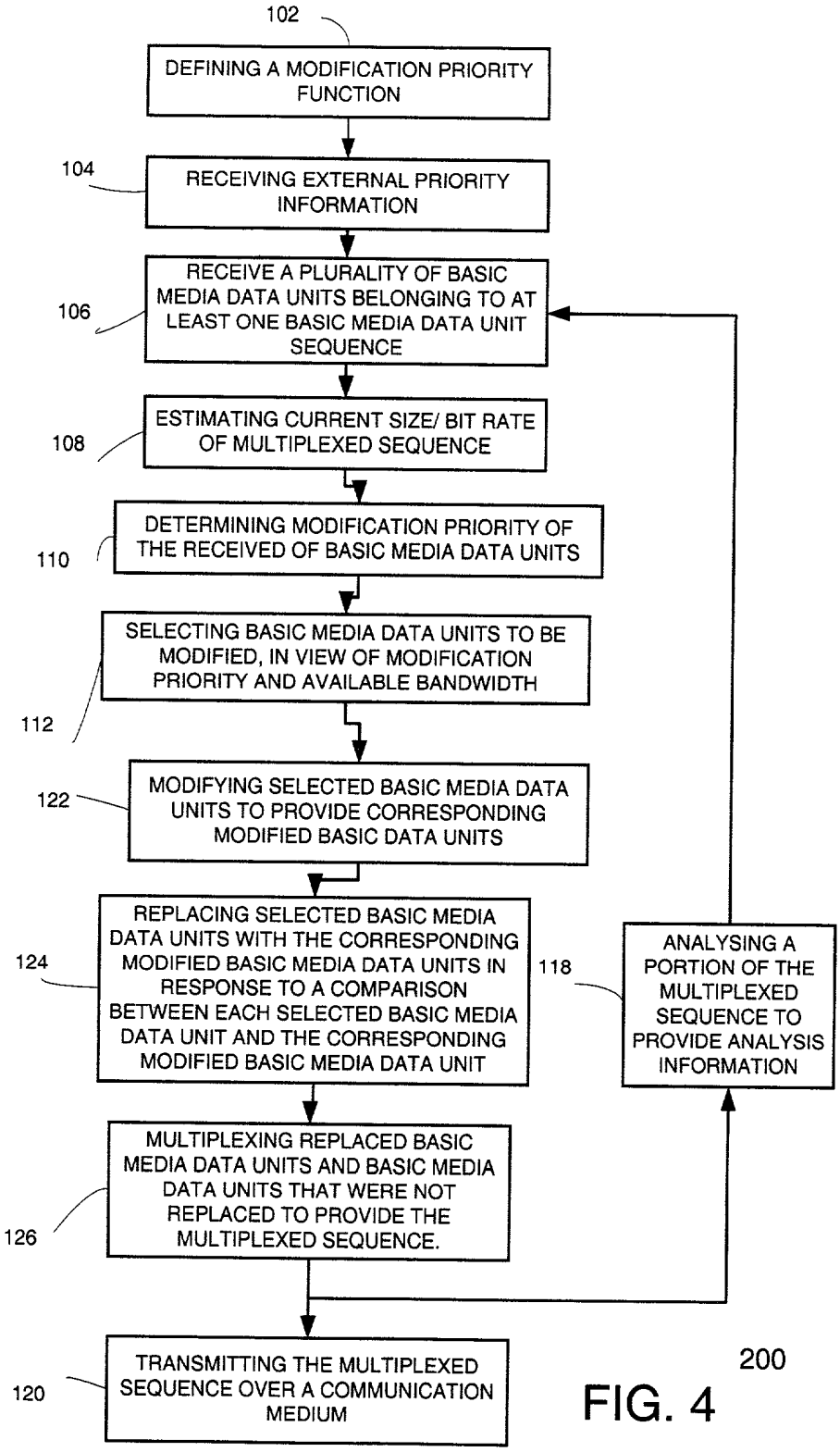
102
DEFINING A MODIFICATION PRIORITY FUNCTION
104
RECEIVING EXTERNAL PRIORITY INFORMATION
106
RECEIVE A PLURALITY OF BASIC MEDIA DATA UNITS BELONGING TO AT LEAST ONE BASIC MEDIA DATA UNIT SEQUENCE
108
ESTIMATING CURRENT SIZE/ BIT RATE OF MULTIPLEXED SEQUENCE
110
DETERMINING MODIFICATION PRIORITY OF THE RECEIVED OF BASIC MEDIA DATA UNITS
112
SELECTING BASIC MEDIA DATA UNITS TO BE MODIFIED, IN VIEW OF MODIFICATION PRIORITY AND AVAILABLE BANDWIDTH
122
MODIFYING SELECTED BASIC MEDIA DATA UNITS TO PROVIDE CORRESPONDING MODIFIED BASIC DATA UNITS
124
REPLACING SELECTED BASIC MEDIA DATA UNITS WITH THE CORRESPONDING MODIFIED BASIC MEDIA DATA UNITS IN RESPONSE TO A COMPARISON BETWEEN EACH SELECTED BASIC MEDIA DATA UNIT AND THE CORRESPONDING MODIFIED BASIC MEDIA DATA UNIT
126
MULTIPLEXING REPLACED BASIC MEDIA DATA UNITS AND BASIC MEDIA DATA UNITS THAT WERE NOT REPLACED TO PROVIDE THE MULTIPLEXED SEQUENCE.
120
TRANSMITTING THE MULTIPLEXED SEQUENCE OVER A COMMUNICATION MEDIUM
118
ANALYSING A PORTION OF THE MULTIPLEXED SEQUENCE TO PROVIDE ANALYSIS INFORMATION
200

FIG. 4

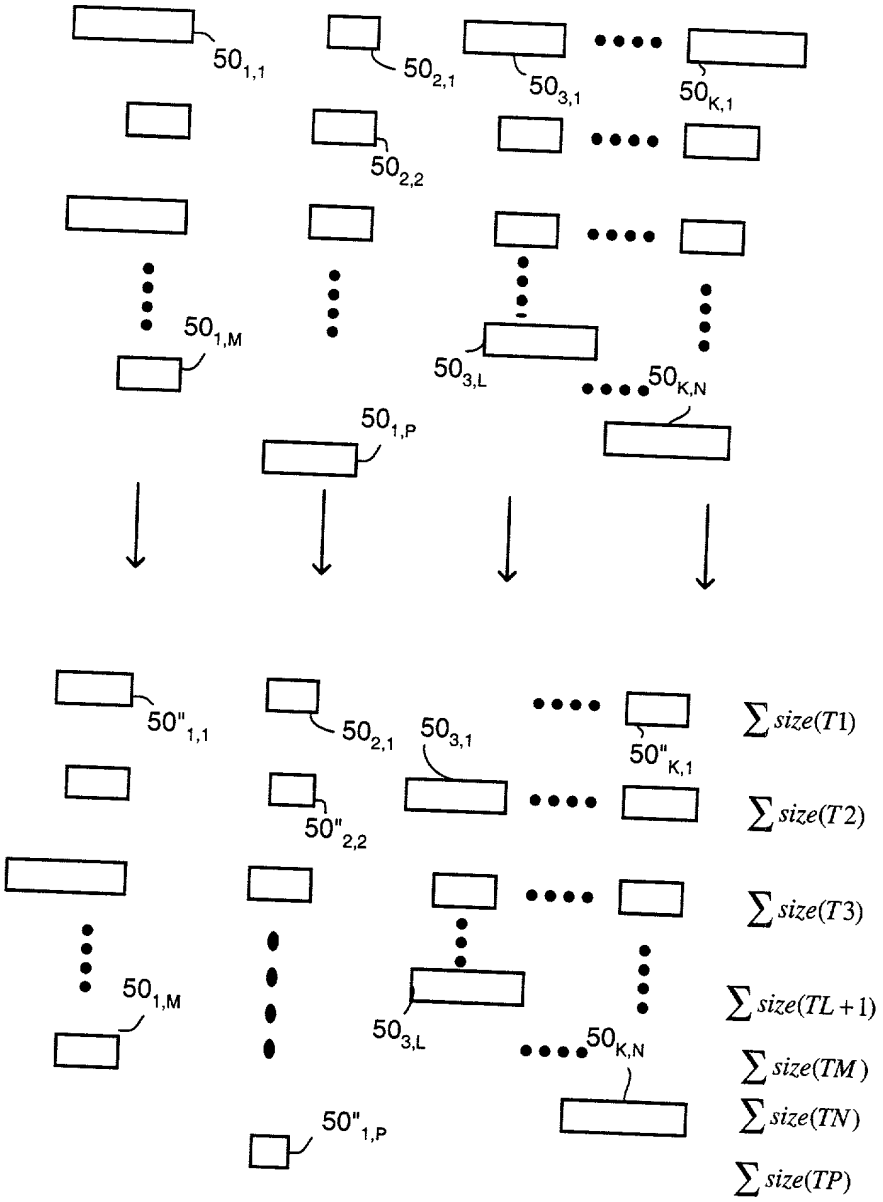
$50_{1,1}$
$50_{2,1}$
$50_{3,1}$
$50_{K,1}$
$50_{2,2}$
$50_{1,M}$
$50_{3,L}$
$50_{K,N}$
$50_{1,P}$
$50''_{1,1}$
$50_{2,1}$
$50_{3,1}$
$50''_{K,1}$
$50''_{2,2}$
$50_{1,M}$
$50_{3,L}$
$50_{K,N}$
$50''_{1,P}$
$\sum size(T1)$
$\sum size(T2)$
$\sum size(T3)$
$\sum size(TL+1)$
$\sum size(TM)$
$\sum size(TN)$
$\sum size(TP)$

FIG. 5

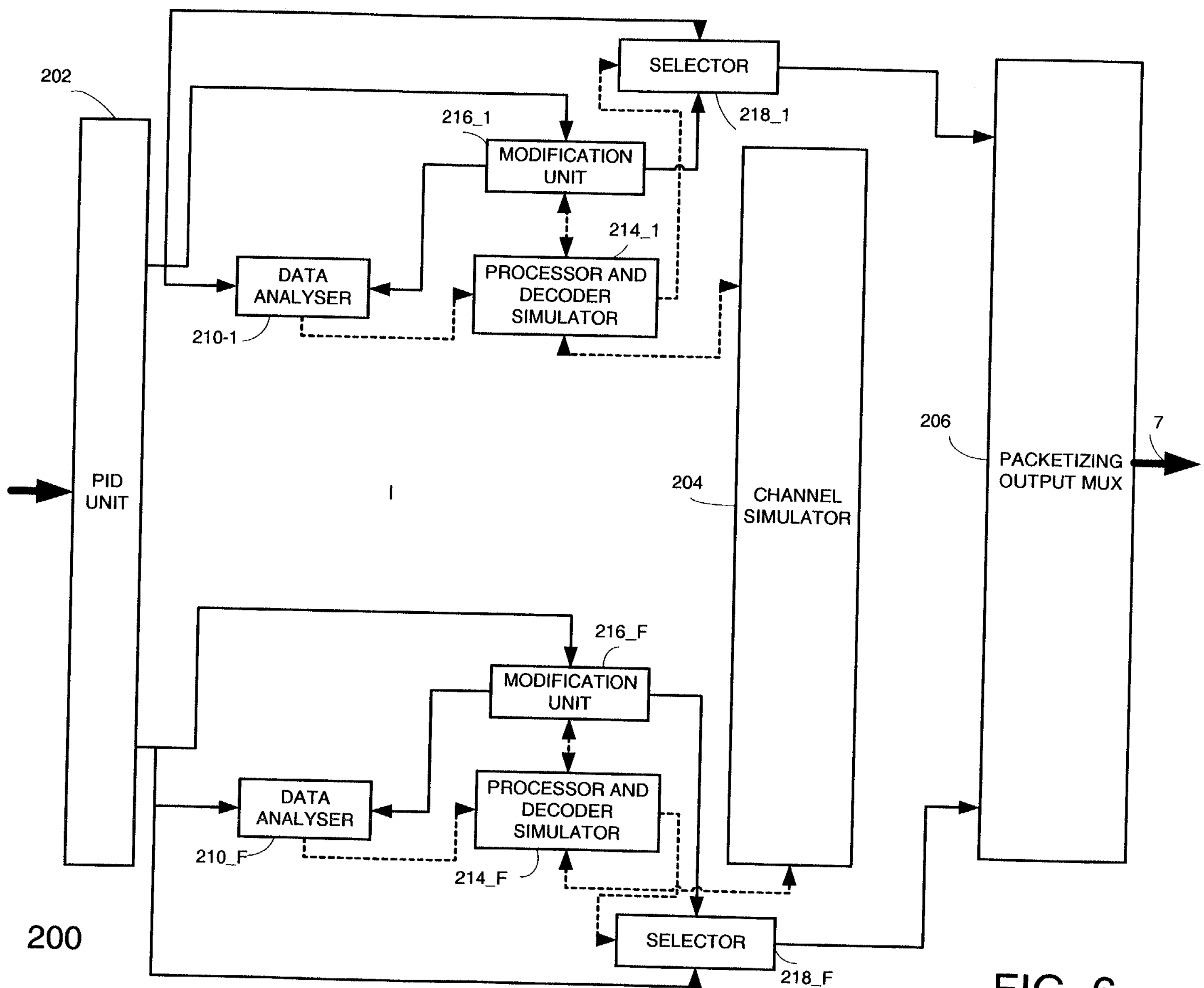

FIG. 6